

Sphaeromeria compacta (Hall [1916]) Holmgren, Shultz & Lowrey**CHARLESTON TANSY****FAMILY:** *Asteraceae*, the sunflower family.**SYNONYMS:** *Tanacetum compactum***STATUS:****Heritage Program SENSITIVE LIST, ranks: G2 S2****USFWS/ESA:** species of concern, formerly CANDIDATE or PROPOSED. **STATE OF NEVADA:** none.**BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.**POPULATION CENSUS:** **5 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **12 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 28,000+**, total estimated **area 47.0+ ha (116+ ac)**. **TREND:** unknown.**IMPACTS AND MAJOR THREATS:** Free roaming horses, hiking and increased development from nearby Las Vegas area, trail system with overnight camping.**INVENTORY EFFORT:** Systematic surveys are complete. Most recent entered survey 1999, average year of last survey 1994. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 8.3%; **6-10 yrs:** 91.7%.**LAND MANAGEMENT** in decreasing predominance: Humboldt-Toiyabe National Forest, designated wilderness, private lands.**RANGE:** Clark County, Nevada. Endemic to the Spring Mountains of Nevada. Maximum **range dimension 5.0 km (3.1 mi)** excluding most disjunct record. **Type specimen** collected in Clark County.**ELEVATIONS RECORDED:** 9680-11810 feet (2950-3600 meters).**HABITAT:** Carbonate scree, talus, outcrops, and rocky fellfields on ridges and slopes in the lower alpine and upper subalpine conifer zones with *Elymus elymoides*, *Petrophytum cespitosum*, *Jamesia americana*, *Erigeron clokeyi*, *Oenothera caespitosa*, *Boykinia jamesii*, *Astragalus platytropis*, *Castilleja martinii* var. *clokeyi*, *Ribes montigenum*, *Festuca brachyphylla*, *Senecio multilobatus*, *Aquilegia scopulorum*, *Trisetum spicatum*, *Heuchera rubescens*, *Pinus longaeva*, *Lesquerella hitchcockii*, *Antennaria soliceps*, *Ivesia cryptocaulis*, *Cirsium clokeyi*, *Penstemon leiophyllus* var. *keckii*, *Synthyris ranunculina*, *Ivesia jaegeri*, *Draba jaegeri*, *Silene clokeyi*, etc.**PHENOLOGY:** flowering summer. Range of most frequent **survey months:** July-August.**LIFE-FORM AND HABIT:** small long-lived perennial cushion.**DESCRIPTION:** A mound-forming perennial herb with silvery, fan-shaped leaves. Pale yellow flower heads are borne singly on stems 2-4 cm tall. Blooms in late July and August.**PHOTOGRAPHS:** Weixelman and Atwood (1990); Nevada Natural Heritage Program slide collection (1986-present) and files.**ILLUSTRATIONS:** Mozingo and Williams (1980), Weixelman and Atwood (1990).**OTHER GENERAL REFERENCES** (listed separately): Clokey (1951), Knight (1992), Nachlinger (1994), Niles et al. (1999).**SPECIFIC REFERENCES:**Bayer, R. J., and T. M. Minish. 1993. Isozyme variation, ecology and phytogeography of *Antennaria soliceps* (Asteraceae: Inuleae), an alpine apomict from the Spring Mountains, Nevada. *Madroño* 40(2): 75-89.Hall, H. M. 1916. Two new Compositae from Nevada. *Muhlenbergia* 2: 342-344.Holmgren, A. H., L. M. Shultz, and T. K. Lowrey. 1976. *Sphaeromeria*, a genus closer to *Artemisia* than to *Tanacetum* (Asteraceae: Anthemideae). *Brittonia* 28: 252-262.Smith, F. 1995. Status report for *Antennaria soliceps*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.Smith, F. 1995. Status report for *Ivesia cryptocaulis*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.Smith, F. 1995. Status report for *Sphaeromeria compacta*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 10 pages + two appendices.